

IN THE CLAIMS:

Please amend the claims as follows:

1. **(Currently Amended)** Compositions for coating having a dry content higher than 80% by weight, comprising polyisocyanates and (per)fluoropolyethers completely crosslinkable also in a range of temperatures between 5°C and 20°C, said compositions comprising the following components:

- Component 1): mixture comprising:

1.a) Partially fluorinated prepolymers, having free NCO groups, obtained by reaction of (per) fluoropolyethers (PFPEs) diols having number average molecular weight M_n in the range 800-1,500, with a cyclic trimer of the isophoronediiisocyanate (IPDI), in said reaction the ratio in equivalents between the OH/NCO groups being in the range 0.20-0.25,

1.b) biuret of hexamethylenediisocyanate (HDI) having an absolute viscosity at 20°C lower than 5,000 mPa.s,

in component 1) the ratio referred to the dry product between the compound 1.b) and the compound 1.a) being in the range 10-90 parts by weight of compound 1.b)/100 parts of compound 1.a);

- Component 2): (per) fluoropolyether (PFPE) diol having M_n in the range 350-700, the amount of PFPE diol component 2) being such that the ratio in equivalents between the OH and NCO groups in the composition is in the range 0.9-1.1;

- component 3): inert organic solvent being the remaining part to 100% by weight of the composition.

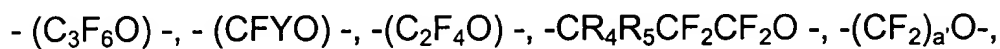
2. **(Previously presented)** Composition according to claim 1, wherein the component 1.a) is obtained by dissolving at 40°C - 80°C, the trimer of IPDI and the (per) fluoropolyether diol in inert organic solvent and maintaining the stoichiometric ratio in equivalents OH/NCO within the range 0.20-0.25 and a dry content in the range 65%-85% by weight of the above mixture of IPDI trimer, (per) fluoropolyether diol and solvent, by adding the polymerization catalyst and maintaining the reaction until reaching the theoretic NCO content.

3. **(Previously presented)** Composition according to claim 1, wherein as component 2, (2a) mixtures of PFPE oligomer diols having Mn in the range 800-1,500, with PFPE oligomer diols having Mn in the range 350-700 are used, in said mixtures of oligomers the weight ratio between the high and low molecular weight oligomers, respectively, being in the range 1/2-1/10, or the number average molecular weight of the mixtures of PFPE diol oligomers being lower than or equal to 700.

4. **(Previously presented)** Composition according to claim 1, wherein the component 3) is a solvent which does not react with the OH and NCO groups present in the composition of the invention.

5. **(Original)** Composition according to claim 4, wherein component 3 is an aprotic dipolar solvent.

6. **(Previously presented)** Composition according to claim 1, wherein the (per) fluoropolyether diol compounds comprise one or more of the following (per) fluorooxyalkylene units



wherein Y is F or CF₃, R₄ and R₅ are equal to or different from each other and selected from H or Cl, a' is an integer equal to 3 or 4.

7. **(Previously presented)** Composition according to claim 6, wherein the PFPE diols are selected from the following, wherein the (per)

fluoropolyoxyalkylene units are statistically distributed along the chain:

al) $-(\text{C}_3\text{F}_6\text{O})^{m'}(\text{CFYO})^{n'}-$ or $-(\text{C}_3\text{F}_6\text{O})^{m'}$ wherein the (C₃F₆O) and (CFYO) units are perfluorooxyalkylene units statistically distributed along the chain; m' and n' are integers such as to give the above mentioned molecular weights, and m'/n' are comprised between 5 and 40, n' being different from 0; Y is F or CF₃;

bl) $-(\text{C}_2\text{F}_4\text{O})^{p'}(\text{CYFO})^{q'}-(\text{C}_3\text{F}_6\text{O})^{t'}-$ or $-(\text{C}_2\text{F}_4\text{O})^{p'}(\text{CYFO})^{q'}-$

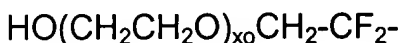
wherein p' and q' are integers such that p'/q' ranges between 5 and 0.3 and such that the molecular weight is within the above mentioned range; t' is an integer with the meaning of m', Y = F or CF₃; q'/(q'+p'+t') or q'/(q'+p') is equal to 1/10 or lower

and the t'/p' ratio ranges from 0.2 to 6;

cl) $-\text{CR}_4\text{R}_5\text{CF}_2\text{CF}_2\text{O}-$ wherein R_4 and R_5 are equal to or different from each other and selected from H or Cl, the molecular weight within the above mentioned range, a fluorine atom of the perfluoromethylene unit is optionally substituted with H or Cl, or perfluoroalkyl group, having from 1 to 4 carbon atoms;

dl) $-(\text{CF}_2)_{a'}\text{O}-$ wherein a' is an integer equal to 3 or 4.

8. **(Previously presented)** Composition according to claim 6, wherein two end groups, equal to or different from each other, of the bifunctional (per) fluoropolyethers are



wherein $x0$ is an integer from 0 to 4, said end group being linked to the (per) fluorooxyalkylene unit by an oxygen atom but not by peroxidic sequences $-\text{O}-\text{O}-$.

9. **(Previously presented)** Compositions according to claim 1 which are formulated both as monocomponent or as bicomponent.

10. **(Original)** Composition according to claim 9, wherein the bicomponent formulation comprises A (components 1.a + 1.b) and B (Component 2), the solvent being added in A and/or in B.

11. (Previously presented) Compositions according to claim 1, further containing additives.

12. (Previously presented) Compositions according to claim 1 crosslinked by addition of a catalyst.

13. (Previously presented) Composition according to claim 12, wherein the catalyst is selected from the groups consisting of:

- a) metal catalyst;
- b) amine catalyst; and
- c) organometal catalyst;

the catalyst being added in concentrations ranging from 0.1 to 2% by weight with respect to the weight of the composition.

14. (Previously presented) Coating obtained by the compositions of claim 12.

15. (Currently Amended) Compositions according to claim 11, wherein the additives are selected from the group consisting of pigments and fillers, thixotropic agents, polymer dispersing agents selected from acrylic, silicone, polyurethane, polyamine, or having a carboxylic or non ionic functionality; stretching, anticissing, antifoam additives, additives to reduce photooxidation including UV adsorber and hindered amines (HALS).

16. (Previously presented) Composition according to claim 13, wherein the b) amine catalyst is selected from the group consisting of triethylendiamine, N-ethyl-ethylendiamine, tetramethylguanidine, dimethyl cyclohexylamine, and diazobicyclo octane;

wherein the c) organometal catalyst is selected from the group consisting of dibutyltindilaurate, tin octanoate, cobalt naphthenate, vanadium acetylacetonate, dimethyltin-diethylhexanoate, dibutyltin diacetate, dibutyltin dichloride, and mixtures thereof.

17. (New) Compositions according to claim 15, wherein the additives to reduce photooxidation are UV adsorbers.